Solve the given system using substitution and/or elimination. Classify the system as having one solution, no solutions, or infinite solutions. Check your answer both algebraically and graphically.

$$\begin{cases} x + 2y & = & 5 \\ x & = & 6 \end{cases}$$

Exercise   1 *Classify this system as having one solution, no solutions, or infinite solutions.*

Multiple Choice:

(a) *one solution* ✓

(b) *no solutions*

(c) *infinite solutions*

Exercise   1.1 *The solution to this system is* $\left(\boxed{6}, \boxed{-\dfrac{1}{2}} \right).$